



EPC-EHL-8USB

Intel® Elkhart Lake Fanless Compact System

- > Intel® Elkhart Lake Processor x6413E
- > Intel® UHD Graphics, Max. Up to 32EU
- > 1-Memory Socket, Max. Up to 32GB DDR4 3200
- > Rich I/O, 8-USB, 1-HDMI, 1-DP, 2-LAN, 4-RS232, 1-Mic-in, 1-Line-out
- > 2-M.2, Key-E/B for Wi-Fi, LTE, SSD, I/O module
- > Fanless Operating Temp, -40 ~ 70°C
- > Wide Range DC Power Input, +9V~36V
- > Default dTPM 2.0, Wall Mount Kit

+ Spec

System Information	
Processor	Intel Atom® x6413E Processor (1.5M Cache, up to 3.00 GHz, 9W)
System Memory	1 x 260-Pin SO-DIMM Socket, Max. Up to 32GB DDR4 3200MTs
BIOS Information	AMI uEFI BIOS, 128Mbit SPI Flash ROM
Watchdog Timer	H/W Reset, 1sec. ~ 65535sec.
H/W Status Monitor	Monitoring System Temperature and Voltage with Auto Throttling Control
TPM	TPM 2.0
-Expansion-	
M.2	1 x M.2 (Key-B, 2242/3042, PCIe2, or (PCIe1+USB3.1 GEN1), or (SATAIII + USB 3.1 GEN2), USB2.0, SIM Slot for LTE Cards) *Default is PCIe1/SATAIII+USB3.1 GEN1, others through BIOS Modification. 1 x M.2 (Key-E, 2230, PCIe1, USB2.0)
-Storage-	
M.2	1 x M.2 (Key-B, 2242)
2.5" Drive Bay	1 x 2.5" Drive Bay (7mm)
-Front I/O-	
USB Port	4 x USB2.0
Power Button	1 x Power Button
LED Indicator	1 x Storage Access LED
-Rear I/O-	
USB Port	2 x USB 3.1 Gen2 (10Gbps) 2 x USB2.0
COM Port	4 x RS232
HDMI	1 x HDMI 2.0b
DP	1 x DP 1.4a
Audio	1 x Mic-in 1 x Line-out
RJ-45	2 x RJ45
LED Indicator	1 x Power on/off LED 1 x Storage Access LED
Antenna	2 x Antenna Mounting with Dust Protection Cover
-Right I/O-	
Antenna	2 x Antenna Mounting with Dust Protection Cover
-Display-	
Graphic Chipset	Intel® UHD Graphics for 10th Gen Intel® Processors
Resolution	1 x HDMI 2.0b Max resolution 4096x2160@60Hz 1 x DP 1.4a Max resolution 4096x2160@60Hz
-Audio-	
Audio Codec	Realtek ALC888S
-Ethernet-	
LAN Chipset	2 x Intel® I226IT
Specification	2 x 10/100/1000/2.5G Base-Tx GbE compatible
-Power Requirement-	
DC Input Voltage	Typical +9~36Vdc
DC Input Connector	1 x Lockable DC Jack
Adapter	Input: 100 ~ 240Vdc/ 50 ~ 60Hz Output: 12V/5A AC-DC 60W Adapter
-Software Support-	
OS Information	Win10, Win11, Linux
-Certification-	



Certification Information	CE, FCC Class B
Mechanical & Environmental	
Operating Temperature	-40°C ~ 60°C (-40°F ~ 140°F) with 0.2m/s air flow -40°C ~ 70°C (-40°F ~ 158°F) with 0.5m/s air flow
Storage Temperature	-20°C ~ 60°C (-4°F ~ 140°F)
Operating Humidity	40°C @ 95% Relative Humidity, Non-condensing
Dimension (W x L x H)	177 x 123 x 65mm
Vibration Test	With SSD: 5Grms, IEC 60068-2-64, Random, 10 ~ 500Hz, 30min/Axis, 3 Axis
Shock Test	With SDD : 55G, IEC 60068-2-27, Half Sine, 11ms, 3Axis, 6 Face
Drop Test	ISTA 2A, IEC-60068-2-32 Test : Ed, 1 Corner, 3 Edges, 6 Faces
Mounting Kit	Wall Mount Kit (Default)
Construction	Aluminum + Metal
Ordering Information	
Ordering Information	EPC-EHL-X13-B1-4R Intel® ATOM® Processor x6413E Fanless Compact System, w/8USB E1702031831R Australia Power Cord E1702031833R USA Power Cord E170P060380R UK Power Cord E1702031000R EU Power Cord

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